

**Tuesday, March 18, 1997**  
**POSTER SESSION I**  
**6:30 p.m. LPI**

**PLANETARY SURFACE PROCESSES**

Watters T. R. Robinson M. S. Cook A. C.

*Comparison of Discovery Rupes, Mercury with Terrestrial Thrust Faults: New Estimates of the Decrease in Radius of the Planet Due to Global Contraction*

Moore J. M. Schultz R. A. Grosfils E. B. Fori A. N. Roadarmel W. H. Bush N. I. Harris C. Ivers C. B.  
*The 1996 Canyonlands Initiative: Field Study of Small Planetary Grabens*

Gregg T. K. P. Fink J. H.

*Variations in Lava Flow Width Related to Effusion Rates Through Laboratory Simulations*

Peitersen M. N. Crown D. A.

*Intraflow Width Variations in Martian and Terrestrial Lava Flows*

Byrnes J. M. Crown D. A. Plaut J. J. Anderson S. W.

*Compressional Flow Ridges: Implications for Analysis of Planetary Lava Flows*

Muinonen P. J.

*Volcanic Resurfacing on Venus—Implications on Hypsometric and Age Distribution of the Surface*

Grosfils E. B. Head J. W.

*Magma Reservoir Failure: Implications for Volcano Growth on Venus and Mars*

Li L. Mustard J. F. He G.

*Compositional Gradients Across Mare-Highland Contacts: The Importance of Lateral Mixing*

Wentworth S. J. Keller L. P. McKay D. S.

*Space Weathering of Anorthosite from Apollo 16 Rock 62255: SEM Studies and Microspectrophotometry*

Komatsu G. Clute S. K. Baker V. R.

*Preliminary Remote-Sensing Assessment of Pleistocene Cataclysmic Floods in Central Asia*

Leth P. T. Treiman A. H.

*Geology of the Reull Vallis Region of Mars: Evidence for Mid-Noachian Sheet Floods*

Cabrol N. A. Grin E. A. Pollard W. H.

*Perennial Frost Mounds in Gusev Crater (Mars)*

Desch S. J. Wilson G. R.

*Electrostatic Charging of Saltating Particles*

McHone J. F. Greeley R. Blumberg D. G.

*Comparison of Aerodynamic Roughness (Z-0) Values from Wind Measurements and SRL Radar; Western U.S. and Namibian Deserts*

Evans R. J. Martin A. R. Carter T. Lei F. Ramsden D.

*Planetary Gamma-Ray Spectrometry Using a CsI(Tl)-Photodiode Array*

He G. Mustard J. F.

*The Effects of Nonlinear Spectral Mixture Analysis on End-Member Optimization in Analysis of Hyperspectral Image Data*

King T. V. V. Clark R. N.

*The Presence of a Single Absorption Feature: What It Does and Doesn't Imply*

Okada T. Kuwada Y.

*Effect of Surface Roughness on X-Ray Fluorescence Emission from Planetary Surfaces*